

QMS 4525 Print System



High Volume Client/Server Printing

The QMS® 4525 laser print system provides an ideal solution for businesses seeking to move away from expensive, restrictive centralized printing arrangements to one where a high-volume printing resource (or resources) can be dispersed more efficiently among multiple network applications.

With print speeds of up to 45 pages per minute, the QMS 4525 is especially designed for a wide range of data processing and on-demand printing requirements in network environments. Using QMS Crown™ network printing technology, the printer provides standard serial, parallel and LocalTalk™ interfaces, as well as two interfaces available for direct connection to Ethernet® and Token-Ring networks.

The QMS 4525 is capable of supporting and enhancing practically any network or multiple network environment. Among its many advanced networking features are true multitasking, user-configurable memory, multiple language sensing and switching, simultaneous interfacing, job accounting, and remote management features for system administration, configuration and security.

Emulation support includes PostScript™ Level 1 and 2, HP PCL® 5, HP-GL® 2, line printer, CCITT Group 4, LNO3™ Plus and imPRESS™. The QMS 4525 also offers a complete range of sophisticated paper handling features that include duplexing, mail bin sorting, collation, stacking, stapling, N-up printing and booklet printing.



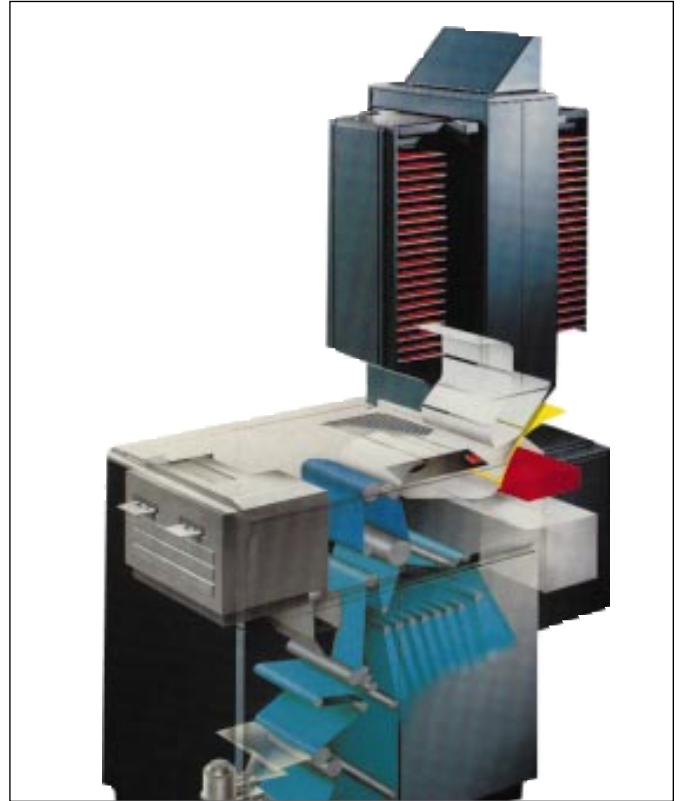
Printers for Professionals.

Printer Configurations



QMS 4525 Print System With Stacker/Stapler

Designed for high-traffic networks, the stacker / stapler unit provides fast delivery of finished documents. The printer has two addressable output trays, including an in-process tray switch-over if one tray is full. Documents can be stapled in the top left corner, up to 35 pages at once, and print jobs are separated by offset stacking.



An inside look at the QMS 4525.



QMS 4525 Print System With 40 Bin Sorter

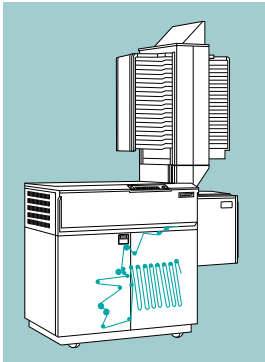
Designed to accommodate system growth and change, the sorter versions of the QMS 4525 printer are high performance network resources. Automatic print job sorting into user-configurable bins makes materials distribution convenient. Sorter bins, each holding



QMS 4525 Print System With 20 Bin Sorter

100 sheets, can be addressed to individuals, departments, or in set or sort modes. Bins are ergonomically positioned to eliminate bending and stretching.

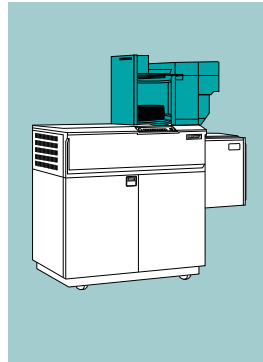
Printer Features



Photoconductor Belt

Conducts image from scanner to transfuser unit.

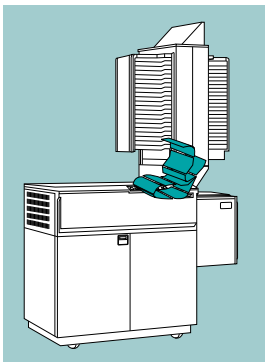
- Zinc oxide coated for quality image resolution
- Uniform density in solid images
- 27-page image area
- Environmentally safe



Stacker/Stapler

Electronic finishing unit.

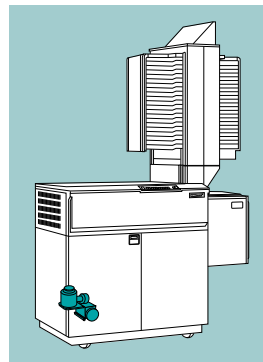
- Staples up to 35 pages at once
- Reservoir holds up to 10,000 staples
- 2 output trays stack up to 2,200 pages



Short Paper Path

Carries paper from input bin to transfuser and then to output tray.

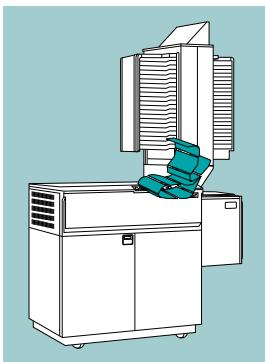
- Heavy-duty belt-construction
- Paper jams are extremely rare
- Output is in correct order — facedown



Laser Scan Module

Optically converts rasterized data into image on photoconductor belt.

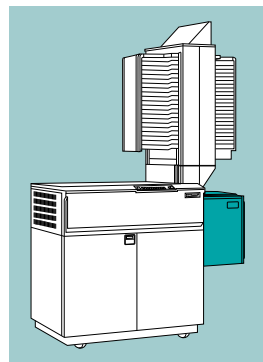
- High quality optical and electrical system for optimum print contrast
- Maintenance-free 10-facet polygon spinner
- Automatic adjustment of laser intensity and exposure



Switch-back Duplexer

Double-sided printing mechanism.

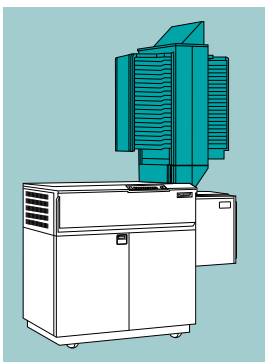
- Switch-back duplexing system significantly reduces jams
- Duplexing saves space, paper and postage



Dual Tray Compartment

Feeds 2,200 sheets to engine.

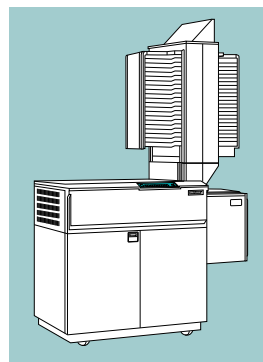
- Upper tray capacity 600 sheets, lower tray capacity 1,600 sheets
- In-progress refilling offers non-stop printing
- Accessible paper trays drop down for loading



Addressable Sorter

Belt delivers printed materials to individual bins.

- 20 or 40 bin sorter models
- 100 sheets per bin
- Bins can be configured for personal, set or sort modes



Keypad and Message Window

Printer instruction center.

- LED messages can be displayed in English, French or German
- Select preferences and defaults
- Diagnostics center

Printing Environments

Data Processing and Distributed Printing

Traditionally, data processing centers were the sole source of all computer equipment, except for lone computer terminals scattered throughout the organization. Information was distributed through printed forms and reports, the mainstay of data processing centers. Expensive printing and finishing equipment were employed to handle the volume of materials produced by an entire company. Time-consuming and complicated administration, marginal print quality and complex finishing were all part of the process. Printed documents had to be physically distributed. And rush jobs could never truly be rushed because of logistics limitations.

Technological advances have now made it cost effective to move many functions out of the data processing center and into individual departments where the information is really used. More and more companies are downsizing their main-frame platforms to more accessible networks of PCs, workstations and mid-range systems.



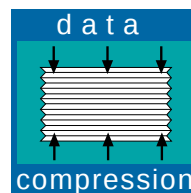
This trend has created the need for a new kind of printer that can handle many jobs formerly performed by huge mainframe printers (and associated document finishing equipment) but capable of working outside a data processing center with little human intervention.



The QMS 4525 Print System is that kind of distributed print system. With QMS Crown technology at its core, the QMS 4525 integrates high-performance printing with on-line finishing and electronic collation.

On-Demand Printing

The QMS 4525 Print System keeps production costs under control by allowing you to plan materials usage and manage your time. With its 45 impressions-per-minute engine speed and advanced paper handling features, the QMS 4525 is an exceptionally versatile production system. It prints large PostScript and PCL files in the quantities you want, when you want them. This not only eliminates the need to inventory excessive amounts of documentation but prevents the expense and waste of destroying out-of-date documents by allowing you to print only what you need. Even greater efficiencies can be realized when combining the QMS 4525 with the QMS Image On Demand Utility, one of several highly functional components of QMS CrownImage™ QMS' document imaging office system. This handy utility enables users to set up "job tickets" specifying all the parameters determining how a job is printed. They're saved with the document so they don't have to be repeated when the job is printed. It also provides the capability to create batch file folders that can be sent to the QMS 4525. Rush jobs, short-run projects and reprints can also be handled in-house easily and cost-effectively.



The printer is ideally suited to producing large volumes of documents in on-demand printing environments. By combining the concurrent compiling, processing and printing capabilities of QMS Crown technology with the 45 impres-

sions-per-minute speed of the Océ engine, the QMS 4525 can easily satisfy even the most demanding print production requirements. The printer's ability to do several tasks at once — processing multiple pages of the same document, and even multiple documents, while the engine is still printing — saves valuable time and resources.



And if a problem occurs on a page, the automatic page error recovery feature allows the QMS 4525 to resume printing at the beginning of the affected page once the error is corrected. This means you do not have to rerun

a whole job because of a paper jam or system error. You are back in business right away.

QMS 4525 Print System Specifications

Features and Benefits

- Available in three configurations — stapler / stacker, 20 bin sorter, or 40 bin sorter version. Stapler / stacker unit staples up to 35 pages at once. Sorter units can be configured for individuals, work groups, departments, or print jobs. Each mail bin holds 100 sheets.
- MIPS® R3000 processor drives internal controller, utilizing QMS Crown technology, and processes PostScript files at speeds unsurpassed by other printers in its class.
- PostScript Level 2 compatibility gives the QMS 4525 the same advanced features and functionality offered by PostScript Level 2 software from Adobe.
- Soft-loadable firmware allows convenient addition of new capabilities and updates.
- Job accounting logs all use and provides detailed information to system administrator.
- 43 resident typefaces allow diversity in document design and layout. All typefaces can be scaled from four points upward and rotated in one-degree increments to maximize design flexibility. All typefaces have multilingual character sets.
- Three standard and two optional interfaces provide compatibility with PCs, Macintosh® computers, UNIX® workstations, DEC® systems, and IBM® midrange and mainframe systems. All interfaces, including optional interfaces, can receive data simultaneously.
- Emulation Sensing Processor (ESP) technology, which works with most popular commercially available applications, analyzes incoming file data from any of the printer's interfaces, and selects the appropriate printer language from those installed on the printer.

Technical Specifications

PRINT ENGINE

- **Print Method** – Electrophotographic recording with semiconductor laser. Dry toner, image transfer to paper.
- **Resolution** – 300 x 300 dots per inch.
- **Print Speed** – 45 simplex pages per minute, 23 duplex pages per minute.
- **Warm-up Time** – 6 minutes.
- **Recommended Duty Cycle** – 650,000 prints per month.

Controller

- **Type** – Based on MIPS R3000 RISC processor, utilizing QMS Crown technology.
- **Memory** – 32 MB RAM, 1 MB ROM standard. A 340 MB internal hard disk is also standard.
- **Printer Emulations** – PostScript Level 1 and Level 2, HP PCL 5, HP GL 2, imPRESS, line printer, CCITT Group 4, and L303 Plus.
- **Emulation Sensing Processor (ESP) technology**
- **Graphics** – Standard memory provides up to a full legal / special A4-size page at 300 x 300 dpi.
- **Typefaces** – 43 resident typefaces. Type 1 downloadable typefaces are supported. The standard fonts resident on the HP LaserJet® IIP are included for the HP PCL emulation. All typefaces have multilingual character sets.
- **Soft-loadable firmware** – allows addition of new functionality and updates.
- **QMS SCSI Hard Drives (optional)** – External hard drives provide permanent storage of downloadable typefaces, emulations, and programs.

INTERFACES

- **Standard Interfaces** – LocalTalk, RS-232C serial, and Centronics® or Dataproducts® shortline parallel interfaces. The printer is equipped with an external SCSI port that supports up to six hard disks.
- **Simultaneous Interface Operation (SIO)** – Allows all standard and optional interfaces to receive data simultaneously.
- **Optional Interfaces** – Provide direct connectivity to Ethernet for DECnet, TCP/IP, EtherTalk™ and NetWare® networks. NetWare and TCP/IP interfaces are also available for Token-Ring networks.

Paper Handling

- **Paper Sizes Supported** – Letter, legal and A4.
- **Printable Regions** – Letter: 8.4" x 10.9" (213.4 mm x 276.9 mm)
Legal: 8.4" x 13.9" (213.4 mm x 353.1 mm)
A4: 11.33" x 7.8" (287.8 mm x 197.9 mm)
- **Special stocks** – Printer can handle transparency film, adhesive labels, and paper label stocks.
- **Paper Weights** – Upper tray: 16 - 32 lbs. (60 - 120 g / m²)
Lower tray: 12 - 27 lbs. (60 - 100 g / m²)
Manual feed: 13 - 45 lbs. (50 - 170 g / m²)

- **Paper Input** – 600 sheets upper tray, 1600 sheets lower tray and manual feed for special stocks.
- **Paper Output** – Choice of three configurations:
20 bin sorter - 100 sheets per bin
2,000 sheets total
40 bin sorter - 100 sheets per bin
4,000 sheets total
Stacker / stapler - two addressable output trays: upper tray - 500 sheets
lower tray - 1700 sheets
2,200 sheets total
Stacker / stapler unit can staple up to 35 sheets at once. Staple reservoir holds up to 10,000 staples.
- **Automatic Jam Recovery** – Printer automatically reprints jammed pages.

Physical

- **Type** – Laser printer with internal controller.
- **Dimensions** – (W x D x H)
With 20 bin sorter - 58" x 30" x 77"
(1430mm x 735mm x 1955mm)
With 40 bin sorter - 58" x 30" x 86"
(1430mm x 735mm x 2190mm)
With stacker / stapler - 58" x 30" x 62"
(1430mm x 735mm x 1600mm)
- **Weight** –
With 20 bin sorter - 1,090 lbs. (497 kg.)
With 40 bin sorter - 1,176 lbs. (496 kg.)
With stacker / stapler - 1,040 lbs. (472 kg.)

Electrical

- **Power Requirements** – 220 VAC, 60 Hz.
- **Power Consumption** – 3500W maximum, 800W minimum.

Environment

- **Temperature** – 63° to 93° F (17° to 34° C).
- **Humidity** – 10% to 90% RH (operating).
- **Noise Level** – Not more than 73 dB (A).

Regulatory/Safety Conformity

- FCC-A, TUV/GS, UL, CSA, and VFG 1046.

Resident Typefaces

Courier*
Helvetica**
Helvetica Condensed
Helvetica Narrow*
ITC Avant Garde Gothic® Book*
ITC Bookman® Light*
ITC Zapf Chancery® Medium Italic
★●■◆◆◆▼ (ITC Zapf Dingbats®)
New Century Schoolbook**

Palatino*
Συμβολ (Symbol Set)
Times Roman**

*Includes Regular, Italic, Bold, and Bold Italic type styles.
Specifications subject to change without notification.



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QMS, Inc., based in Mobile, Alabama, is certified to the ISO 9002 standard for the manufacture of print systems.

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